M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

66189

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the work: Improvement to roads and drains and development works in Bagalagunte in Ward No. 14 (Works in 16th A cross Dr Basaji Centre)						
	Estimated cost Rs 50.0 Lakhs						
	Head of A/c : Deve 3296 Indent No 32676						
	Job Code No : 014-19.000007.						
	Work order No : No EE/DD/WO/360/2019-20 Dt 10.07.19						
	Agency : Sri. Raghunandan.L, Gandhi nagara, Blore. 21						
	Bill No : 1st & Final						
	Bill recording date : 26.12.2019						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Tender No. 2	Excavation for road drains and similar work ordinary soil in relying ground horizontal lead upto 20 mt and an average lift upto 0.50m excavated earth Levelled and sides neatly dressed as directed by Engineer at site.						
	for road drain	1	50·0	5·0	0·25	62·50 m³	measurement carried from page No. 66198. 3 this MB
		1	50·0	5·0	0·25	62·50	
	From Ingadenga house to padma water tank	1	50·0	5·0	0·25	62·50	
		1	50·0	5·0	0·25	62·50	
	Near park:	1	50·0	6·0	0·25	75·0 m²	
		1	50·0	6·0	0·25	75·0	
	drain	1	50·0	1·0	0·90	45·0 m³	Left side
		1	50·6	1·0	0·90	45·0	

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Measurement Book

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

66190

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	50·0	1·0	0·90	45·0	
		1	25·0	1·6	0·90	36·0	Right side
		1	4·10	1·0	0·90	3·60	
			Lifts. 5 at 0		Total	623·60 m³	110157·00
			@ TR 201.20/m³			Rs	125458=00
Tender No. 2	providing and laying pcc grade 1:3:6 with ope. R 22 kg with crushed 10 mm and down size cement CA @ 0.99 m³ FA @ 0.46 m³ in foundation mechanically mixed on directed by Engineer at site						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	for drain :	1	50·0	1·0	0·15	7·50 m³	Left side
	Measurement Carried from page No 66198 of this ms	1	50·0	1·0	0·15	7·50	right side
		1	22·0	1·0	0·15	3·30	
				LH to		25·80m³ @ TR ₹150.00/m³	₹3,87,000 = 00
Tender Item No·3	providing RCC for side drains using M20 nominal mix with ope with 20mm and down size jelly with CA @ 0·69 m³ FA @ 0·43m³ with role mixed with all materials as directed by Engineer at Site. (M20)						
	for Rectangular drain 4S	2	50·0	0·15	0·75	5·625 m³	11·85
		2	50·0	0·15	0·75	5·625	
		2	20·6	0·15	0·75	5·625	2·25

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To 66191
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	22·0	0·15	0·75	2·475	4·95m³
	@1Side	2	50·0	0·15	0·75	5·625	11·85m³
		2	50·0	0·15	0·75	5·625	11·85
		2	50·6	0·15	0·75	5·685	11·85
		1	22·0	0·15	0·75	2·475	52·20
		0·80		0·15	0·75	0·090	
				TO bal qty		25·70m³	
				LH to		25·70m³	
				@ TR		611·60 kg/m³	₹ 2659·81·00
							259936 = 00

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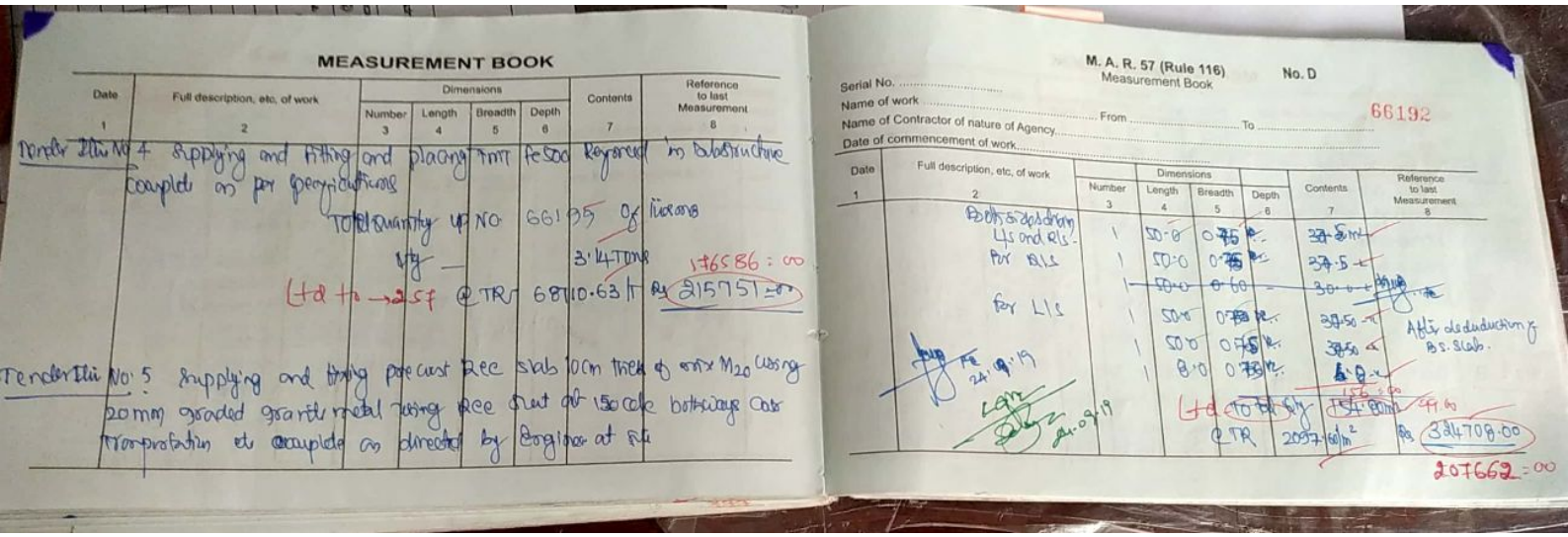

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Tender Item No 4	Supplying and fitting and placing TMT Fe500 Reinforcement in substructure complete as per specifications						
	Total quantity up NO					66195 Kg	
	Qty					3.14 TONS	176586 : 00
	Ltd to → 25t @ TR					68410.63 Rs	215751 : 00
Tender Item No: 5	Supplying and laying precast RCC slab 10cm thick of mix M_{20} using 20mm graded granite metal using RCC chute of 150 cube both ways Cost transportation etc complete as directed by Engineer at site						

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

66192

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Deduct for slab for Ls and Rs	1	50.0	0.75		37.5 m²	
	for RLS	1	50.0	0.75		37.5	
	for LLS	1	50.0	0.60		30.0	
		1	50.0	0.75		37.50	
		1	50.0	0.75		37.50	
		1	8.0	0.75		6.0	
	Ltd to → 257					157.5 m²	41.00
	@ TR					2097.60/m²	Rs 330408.00

After deduction of RS. slab.

207662 : 00

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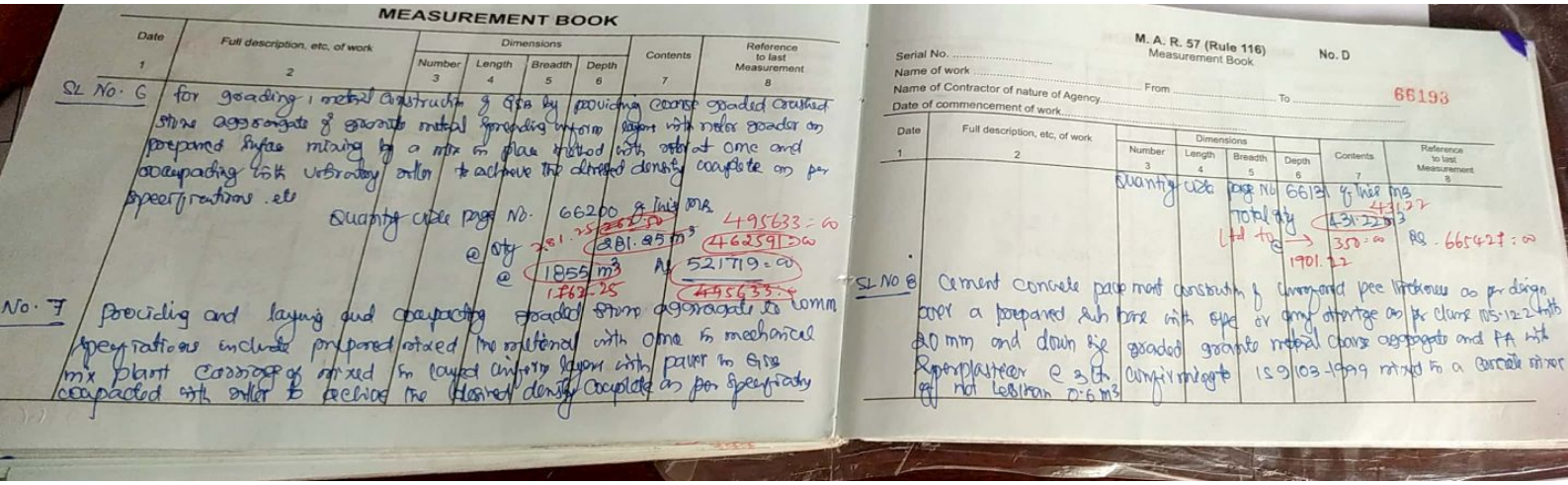

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Sl No. 6 for grading, metal Construction of QSR by providing coarse graded crushed stone aggregate of granite metal spreading uniform layer with motor grader on prepared surface mixing by a mix in place method with water at one end compacting with vibratory roller to achieve the desired density complete as per specifications etc

Quantity vide page No. 66200 of this MB

@ Qty 281.85 m³ 495633 : 00

@ 1855 m³ 1762.25 Rs 521719 : 00 495633 : 00

No. 7 Providing and laying and compacting graded stone aggregate to comm specifications include prepared mixed ~~in~~ material with ~~one~~ in mechanical mix plant carriage of mixed in layer uniform layer with paver in QSR compacted with roller to achieve the desired density complete as per specifications

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency ..... From ..... To 66193

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Quantity vide page No. 66124 of this MB 431.22 m³

Total Qty 431.22 m³

Ltd to @ 350 : 00 Rs. 665427 : 00

1901.22

Sl No 8 Cement concrete pavement construction of Unreinforced pcc Workable as per design, over a prepared sub base with ~~one~~ or any shortage as per Clause 105.12.2 with 20 mm and down size graded granite metal Coarse aggregate and FA with Superplasticizer @ 2% by Cement weight IS 9103-1999 mixed in a Concrete mixer ~~of~~ of not less than 0.6 m³

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Spreading & Compacting stone metal 53mm size using vibrator and finished to a Compacted thickness using needle expansion contraction and longitudinal joints Joint filler etc complete as per drawing complete etc. C.C. Road:						
	(a) From Jagannath home	1	4.50	7.0	0.15	= 4.72	
		1	84.50	5.30	0.15	= 18.92	
		1	9.80	2.80	0.15	= 3.89	
		1	36.0	3.90 + 3.40 / 2	0.15	= 16.42	
		1	30.70	3.40 + 3.30 / 2	0.15	= 10.40	
	(b) From padmanabhi house:	1	30.0	5.40 + 6.0 / 2	0.15	= 25.65	

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work .....
Name of Contractor or nature of Agency ..... From ..... To .....
Date of commencement of work .....

66194

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	(c) 16A Cross MEI Layout Post Jc office post bridge	1	25.0 x 5.0+7.5 / 2		0.15	= 18.90 m	
		1	3.0 x 4.0+3.60 / 2		0.15	= 1.71	
		1	8.00 x 3.60+4.10 / 2		0.15	= 14.85	17.37
		1	30.0+4.10+3.50 / 2		0.15	= 17.32	115.44 m³
	Measurement Cont'd on 19.02.19	1	80.0 x 3.30+4.0 / 2		0.15	= 17.10	
	(d) Bhagam & Chord Road:	1	21.0 x 3.50+4.50 / 2		0.15	= 11.81	
		1	81.0 x 6.90+7.0+4.10 / 2		0.15	= 18.89 m	21.89

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(e) From MEI Layout 5th cross Jayaram house to Annapoorna Test house from annapoorneshwari Test house to omegna sannidhi house:	1	8.20	4.10 + 3.70 / 2		0.15 = 4.79	
		1	28.0	6.0 + 7.5 / 2		0.15 = 28.35 m³	
		1	30.0	5.20 + 5.0 / 2		0.15 = 22.95 m	
		1	30.0	5.0 + 4.0 / 2		0.15 = 20.85 m	
		1	22.0	4.0 + 4.5 / 2		0.15 = 14.02 m	
		1	2.50	4.80 + 3.50 / 2		0.15 = 12.80 m	
	281.75						
	Hd to 262.50					Rs. 4950.41 To tal pg 290.195 m³	

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

66195

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(a) dewatering with Vacuum pump and friction road and Compaction with Sheep foot roller with floating dise including carry generator:						
	At park road	20	5.0	-	-	100.0 m²	
	At cross Skelton street:	10	7.0	-	-	70.0 m²	
	At BME bypass road	5	7.0	-	-	35.0 m²	
	At Annapoorneshwari temple house road:	30	4.50	-	-	135.0 m²	Rs. 68.48
	Jagadeesh house to padmavathi house	9	4.50	-	-	40.5 m²	
						380.5 m²	Rs. 26056 = 00
							3418748 = 00

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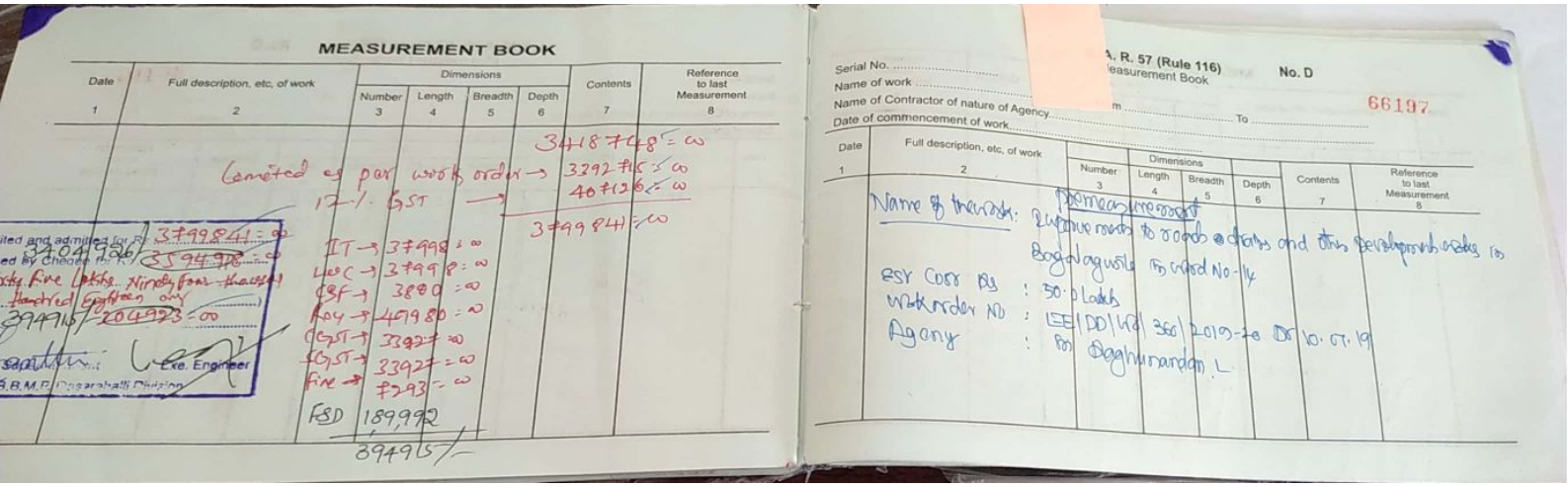

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						3418748 = 00	
	Carried as per work order →					3292715 = 00	
	12 % GST →					407136 = 00	
						3799841 = 00	
	IIT →					37998 = 00	
	Lab C →					37998 = 00	
	CSF →					3800 = 00	
	Roy →					479880 = 00	
	CGST →					33927 = 00	
	SGST →					33927 = 00	
	Fine →					₹293/- = 00	
	FSD					189992	
						899715/-	

...ited and admitted for Rs 3799841 = 00
...ed by Cheque for Rs 3594918 = 00
...sixty five Lakhs Ninety four thousand
...Hundred Eighteen only
3949115/- 2049923 = 00

Exe. Engineer
B.B.M.P. Dasarahalli Division

Serial No. .....
Name of work .....
Name of Contractor or nature of Agency .....
Date of commencement of work .....

A. R. 57 (Rule 116)
Measurement Book
No. D
66197

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the work: Repairs to roads & drains and other developmental works in Bagalagunte ward No-14						
	ESR Cost Rs : 30.0 Lakhs						
	Work order No : LEE/DD/KB/360/2019-20 Dt 10.07.19						
	Agency : M/s Raghunandan. L						

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MEASUREMENT

Date	Full description, etc, of work	Dimensio				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Tender Item No:	Earth work Excavation: for o pads and drain						
		1	50·0	5·0	0·25	62.50m³	
		1	50·0	5·0	0·25	62·50-11	
		1	50·0	5·0	0·25	62·50-11	
		1	50·0	5·0	0·25	62·50-1	
		1	50·0	5·0	0·25	62·50-1	
		1	50·0	6·0	0·25	75·0-11	} New pack
		1	50·0	6·0	0·25	75·0-11	
		1	50·0	1·0	0·90	45·0-1	
		1	50·0	1·0	0·90	45·0-11	
		1	50·0	1·0	0·90	45·0-11	
		1	85·0	1·0	0·50	88·50-11	

M. A. R. 57 (Rule 116) No. D

Measurement Book

66198

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	1·0	0·90	3·60m³		
					523.60m²		
Tender Item No:2.	pounding and laying pcc (1:2:4) mix 1:3:6 for drain						
		1	50·0	1·0	0·15	7·50 m³	
		1	50·0	1·0	0·15	7·50-1	
		1	50·0	1·0	0·15	7·50-1	
			22·0	1·0	0·15	3·30-1	
						35·80 m³	

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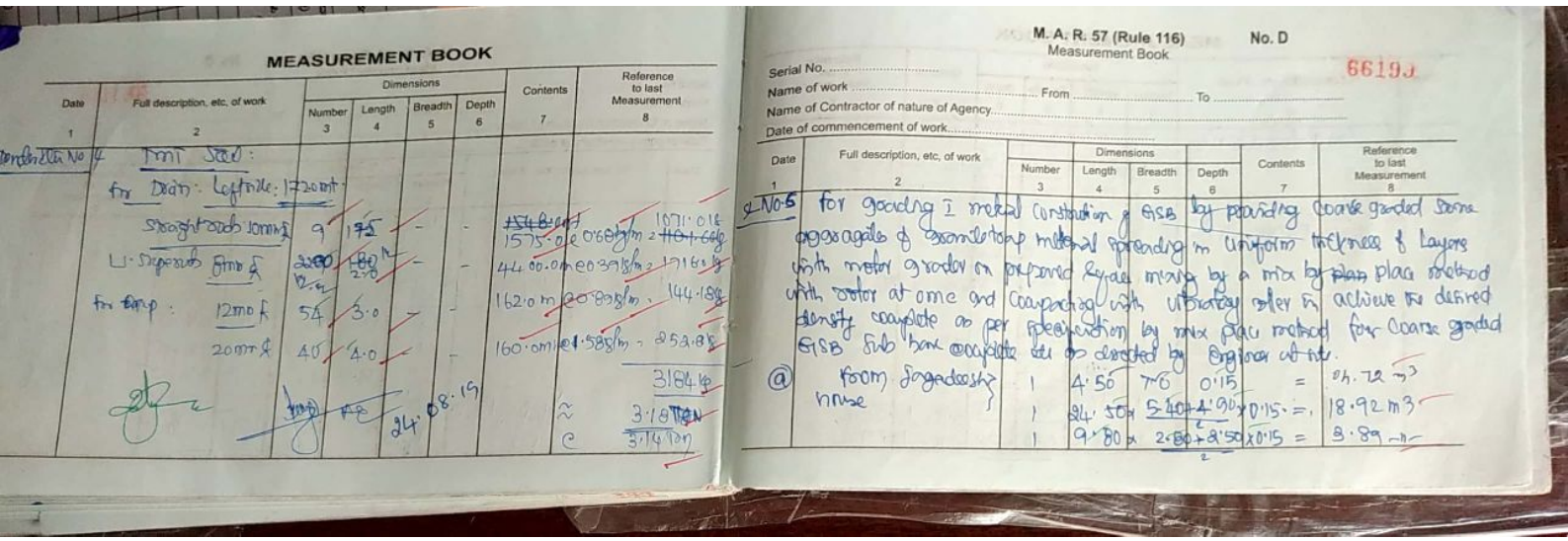

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Contractor's No 4	Providing Steel:						
	for Drain: Left side: 1220mt:						
	Straight side 10mm ϕ	9	175	-	-	1575.0 @ 0.687 kg/m = 1082.67 kg	
	L: Slope side 8mm ϕ	2	220	-	-	440.0 m @ 0.395 kg/m = 173.80 kg	
	for Drain: 12mm ϕ	54	3.0	-	-	162.0 m @ 0.888 kg/m = 143.85 kg	
	20mm ϕ	40	4.0	-	-	160.0 m @ 1.58 kg/m = 252.8 kg	
							3184 kg
						≈	3.18 TON
						∴	3.14 TON

24.08.19

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

6619J

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
2 No 5	for grading I metal carpeting of GSB by spreading coarse graded stone aggregate & coarse sand mixed spreading in uniform thickness & layers with motor grader on prepared surface mixing by a mix by plant placement with water at one and compacting with vibratory roller to achieve the desired density complete as per specification by mix placement for coarse graded GSB sub base complete etc as directed by Engineer at site.						
@	from Jagadeesh house	1	4.50	7.6	0.115	=	04.72 m3
		1	24.50	5.40+4.90/2	0.15	=	18.92 m3
		1	9.80	2.80+8.50/2	0.15	=	9.89 m3

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	from Patravalabi Nilaya	1	30·0	3·70 + 3·50 / 2		×0·15 = 15·97 m³	
		1	30·0	3·70 + 3·50 / 2		×0·15 = 16·20	
		1	27·0	3·70 + 3·40 / 2		×0·15 = 14·30	
(b)	from patravalabi Nilaya	1	30·0	5·20 + 6·0 / 2		×0·15 = 25·65	
		1	32·0	6·0 + 7·30 / 2		×0·15 = 2[illegible]	
(c)	Main cross Mein road outside	1	3·10	4·10 + 3·40 / 2		×0·15 = 1·66	
		1	30·0	3·60 + 3·60 / 2		×0·15 = 14·85	
		1	30·0	3·60 + 4·50 / 2		×0·15 = 18·22	
		1	30·0	4·50 + 3·40 / 2		×0·15 = 17·77	

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Measurement Book

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency ..... From ..... To .....

Date of commencement of work .....

86200

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	21·0	3·20 + 3·40 / 2		×0·57 = 11·66 m³	
(d)	Blossom School Road	1	21·0	6·50 + 7·0 + 6·0 / 3		×0·15 = 20·69	
		1	8·50	4·10 + 3·70 / 2		×0·15 = 4·97	
(e)	from annapoorneshwari rent house to mugera Nilaya 5th main mein layout.	1	30·0	5·0 + 5·50 / 2		×0·15 = 23·62	
		1	30·0	5·50 + 5·0 / 2		×0·15 = 23·62 Complete	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1	30.0	$\frac{5.50+4.50}{2}$		x0.15	=21.37 m3	
	1	20.0	$\frac{5.0+4.50}{2}$		x0.15	=14.25 m3	
						290.00 m3	
						Quantity 281.25 m3	

05.08.19

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